Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (canceled)

Claim 7 (Currently amended) A method of ~~purifying~~ identifying cells expressing a GHS-R comprising;

immobilizing a peptide comprising residues 24 to 37 of SEQ ID NO:2;

contacting the peptide with cells expressing a GHS-R receptor, wherein the receptor comprises residues 41 to 326 of SEQ ID NO:5 and whereby the peptide binds the receptor and forms a peptide-receptor complex;

dissociating the peptide-receptor complex, and

recovering the purified receptor-expressing cells.

Claim 8 (canceled)

Claim 9 (Currently amended) The method of ~~purifying~~ identifying cells according the claim 7, wherein the receptor comprises residues 1 to 366 of SEQ ID NO:5.

Claim 10 (Currently amended) A method of ~~purifying~~ identifying an agonist of a peptide comprising;

immobilizing cells expressing a receptor, wherein the receptor comprises residues 41 to 326 of SEQ ID NO:5;

contacting the immobilized cells with a solutions containing an agonist of a peptide, wherein the peptide comprises residues 24 to 37 of SEQ ID NO:2;

forming the peptide-receptor complex;

dissociating the peptide-receptor complex, and

recovering the purified peptide.

Claims 11-26 (canceled)

Claim 27 (New) A method of identifying an antagonist of a peptide comprising:

immobilizing cells expressing a receptor, wherein the receptor comprises residues 41 to 326 of SEQ ID NO:5;

contacting the immobilized cells with a solution containing a peptide, wherein the peptide comprises residues 24 to 37 of SEQ ID NO:2;

forming the peptide-receptor complex;

contacting the immobilized cells with one or more solutions containing an antagonist of the peptide comprising residues 24 to 37 of SEQ ID NO: 2;

detecting a disassociation of the peptide from the receptor; and

recovering the antagonist.